

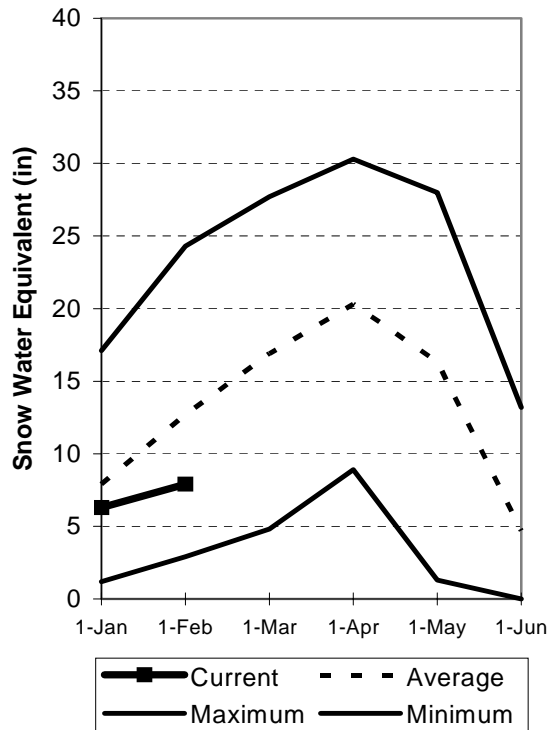
# Bear River Basin

## February 1, 2007

Snowpacks on the Bear River Basin are much below average at 62% of normal, about 44% of last year. Specific sites range from 53% to 91% of normal. January precipitation was much below average at 38%, which brings the seasonal accumulation (Oct-January) to 77% of average. Soil moisture levels in runoff producing areas are at 66% of saturation in the upper 2 feet of soil compared to 57% last year. This is due mainly to above average precipitation in October. Forecast streamflows range from much below average to average (41%-81%) volumes this spring. Reservoir storage is low at 35% of capacity, 13% more than last year. The Surface Water Supply Index is at 21% for the Bear River, or 79% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage and only about a 3% chance this year of reaching April 1<sup>st</sup> snow water equivalent average.

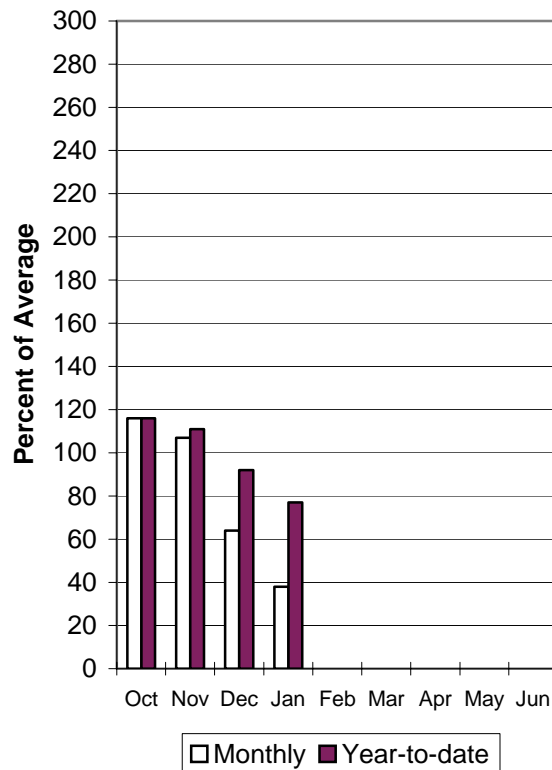
### Bear River Snowpack

2/1/2007



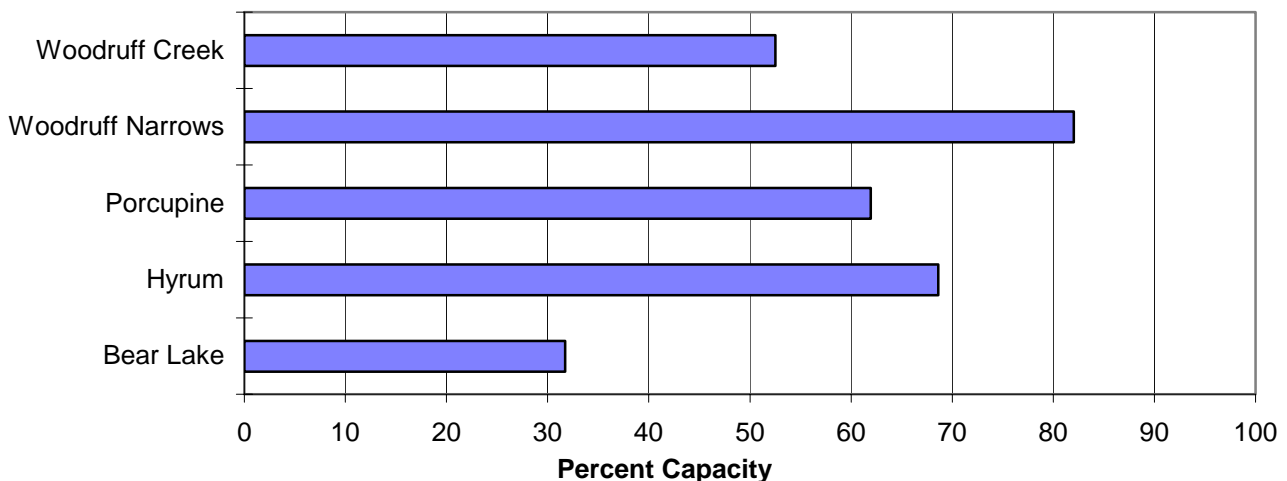
### Bear River Precipitation

2/1/2007



### Reservoir Storage

2/1/2007



BEAR RIVER BASIN  
Streamflow Forecasts - February 1, 2007

		<<===== Drier ===== Future Conditions ===== Wetter =====>>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Bear River nr UT-WY State Line	APR-JUL	61	79	92	81	106	129	113
Bear River ab Reservoir nr Woodruff	APR-JUL	30	60	85	63	115	168	136
Big Creek nr Randolph	APR-JUL	0.3	1.1	2.0	41	3.1	5.2	4.9
Smiths Fork nr Border	APR-JUL	37	53	65	63	78	101	103
Bear River at Stewart Dam	APR-JUL	27	77	125	53	184	295	234
Little Bear River at Paradise	APR-JUL	5.8	13.0	19.5	42	27	41	46
Logan R Abv State Dam Nr Logan	APR-JUL	32	49	63	50	79	105	126
Blacksmith Fk Abv Up&L Dam Nr Hyrum	APR-JUL	10.1	18.2	25	52	33	46	48

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of January					BEAR RIVER BASIN Watershed Snowpack Analysis - February 1, 2007			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEAR LAKE	1302.0	413.0	276.0	---	BEAR RIVER, UPPER (abv Ha	6	49	66
HYRUM	15.3	10.5	10.5	10.4	BEAR RIVER, LOWER (blw Ha	8	40	60
PORCUPINE	11.3	7.0	9.0	4.4	LOGAN RIVER	4	38	59
WOODRUFF NARROWS	57.3	47.0	34.0	25.2	RAFT RIVER	1	48	95
WOODRUFF CREEK	4.0	2.1	2.7	---	BEAR RIVER BASIN	14	43	62

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.  
(2) - The value is natural volume - actual volume may be affected by upstream water management.